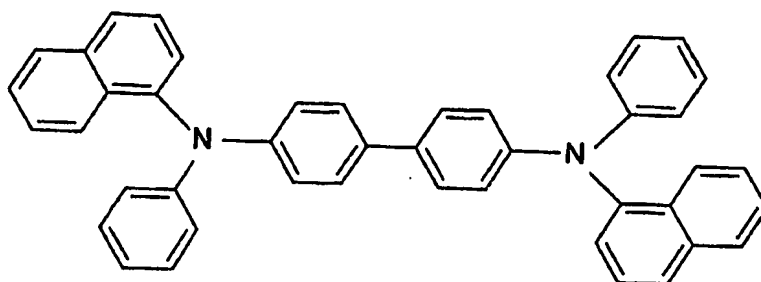
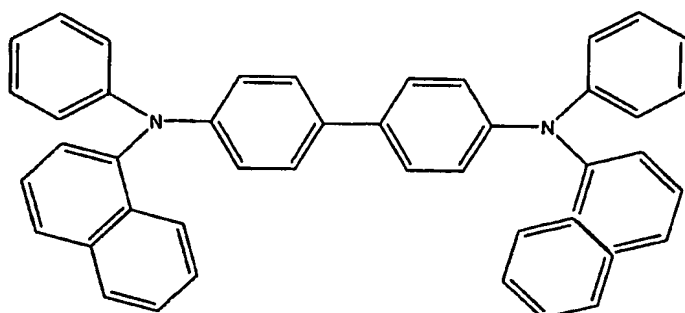
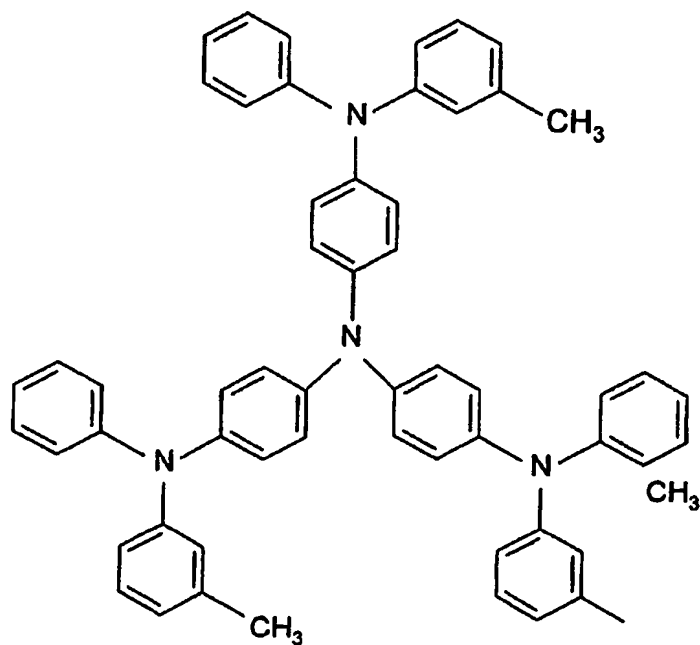


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 α -NPB β -NPD

mTADATA

Fig. 1

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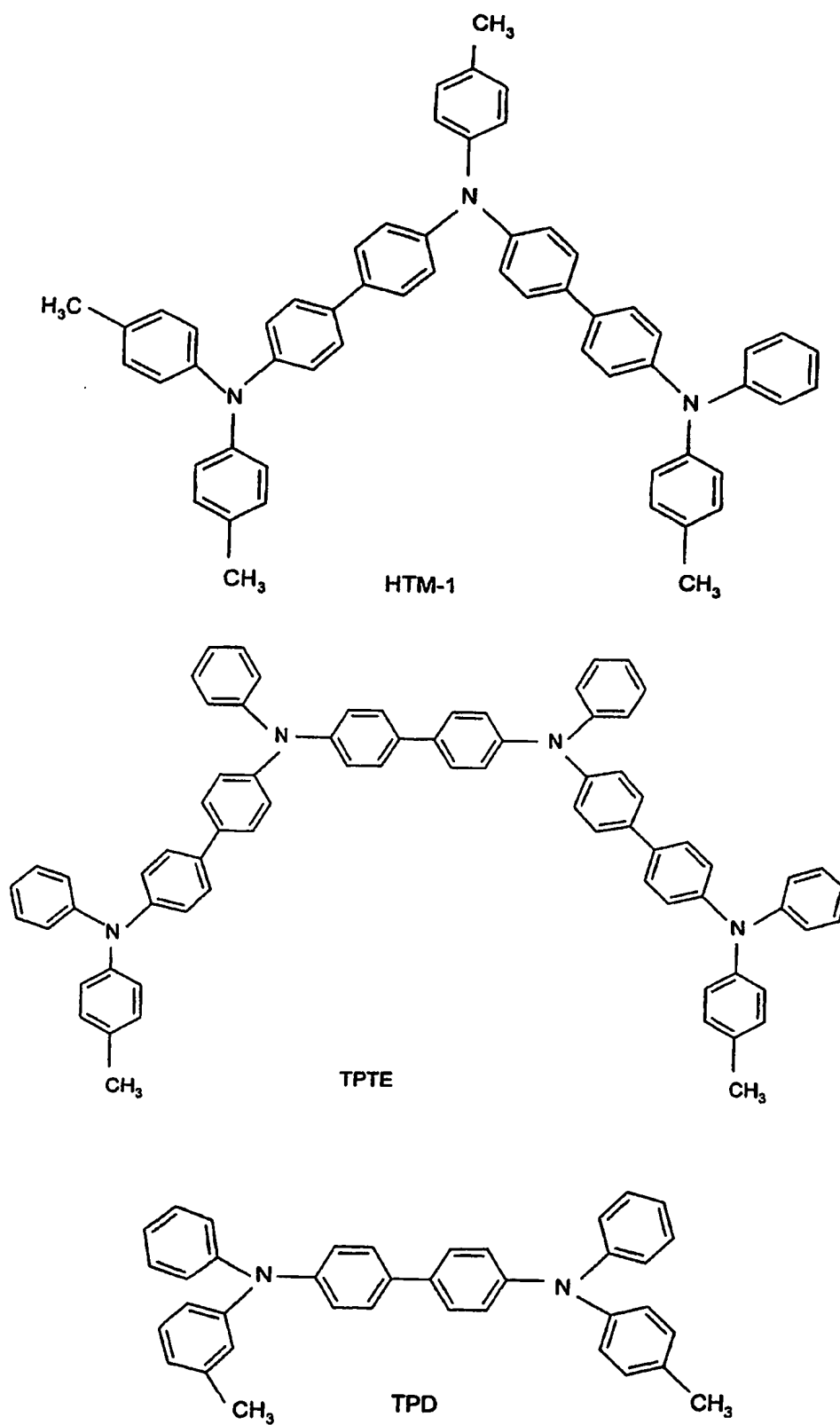


Fig. 2

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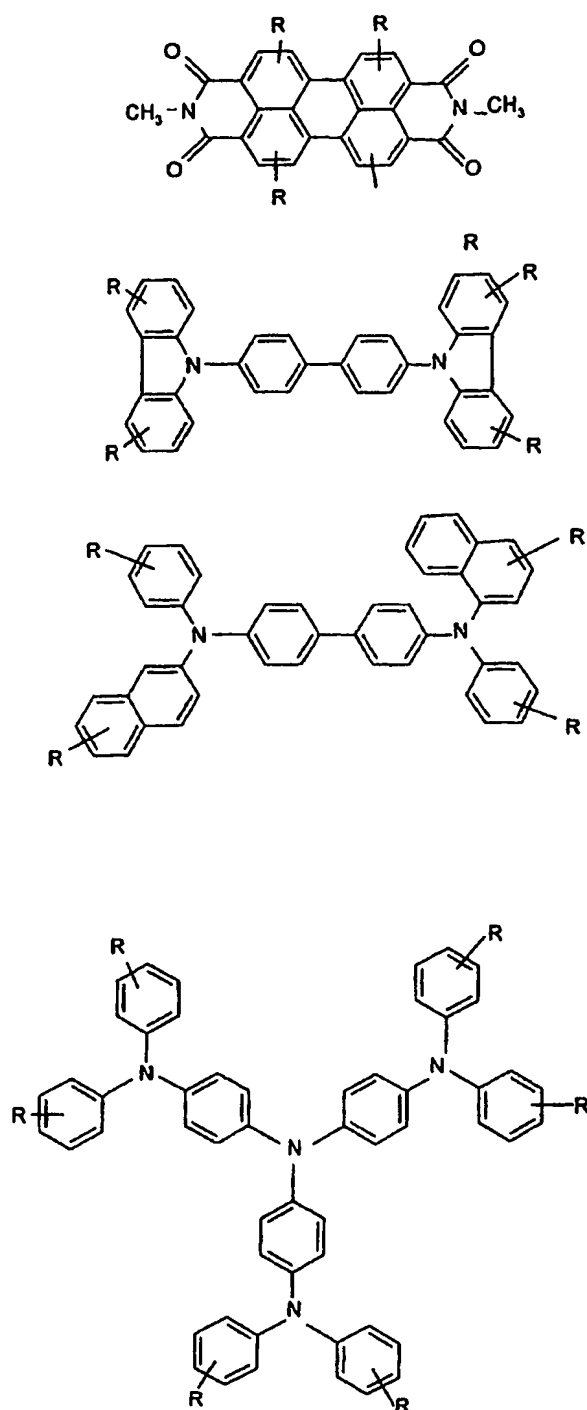


Fig. 3

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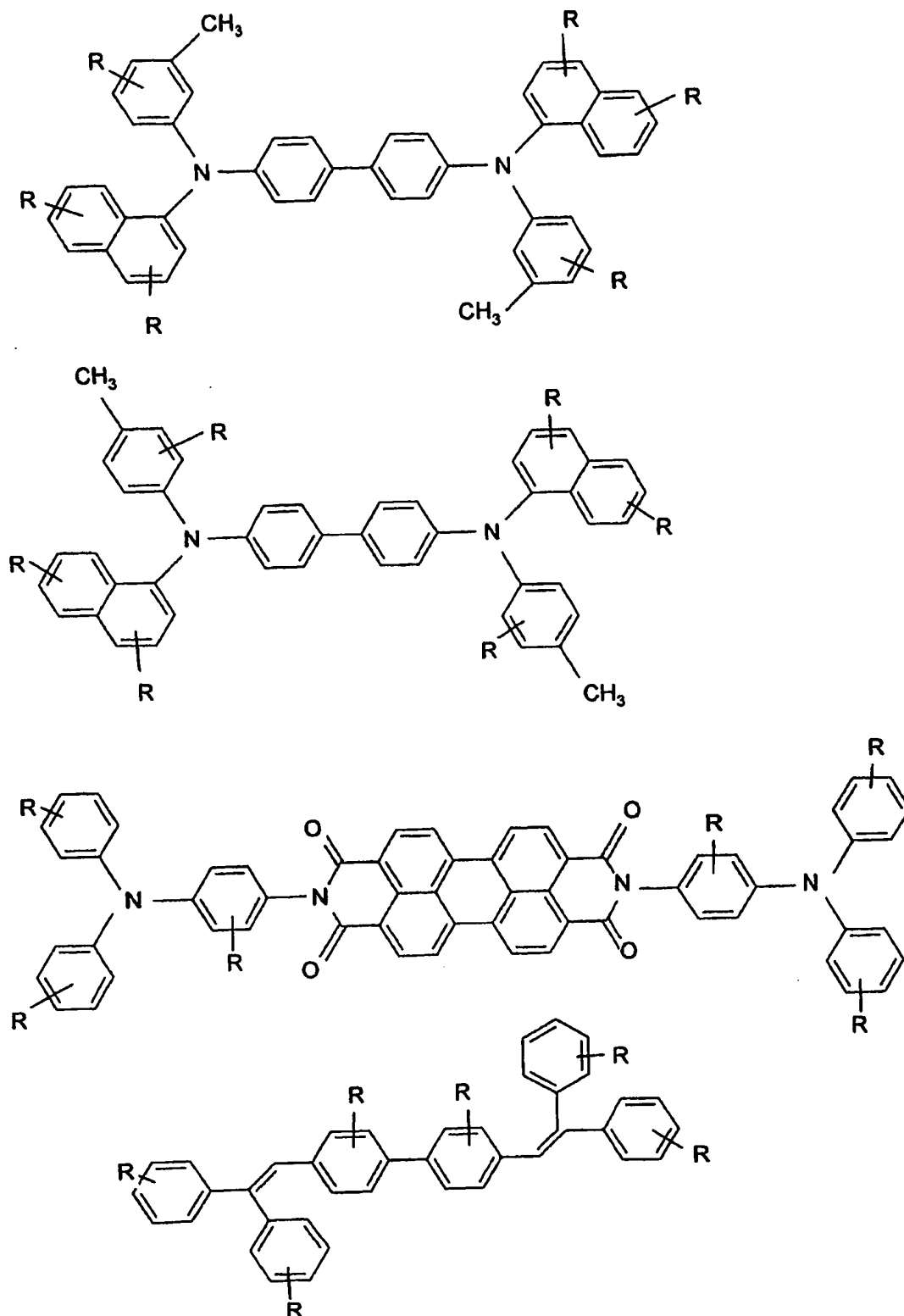


Fig. 4

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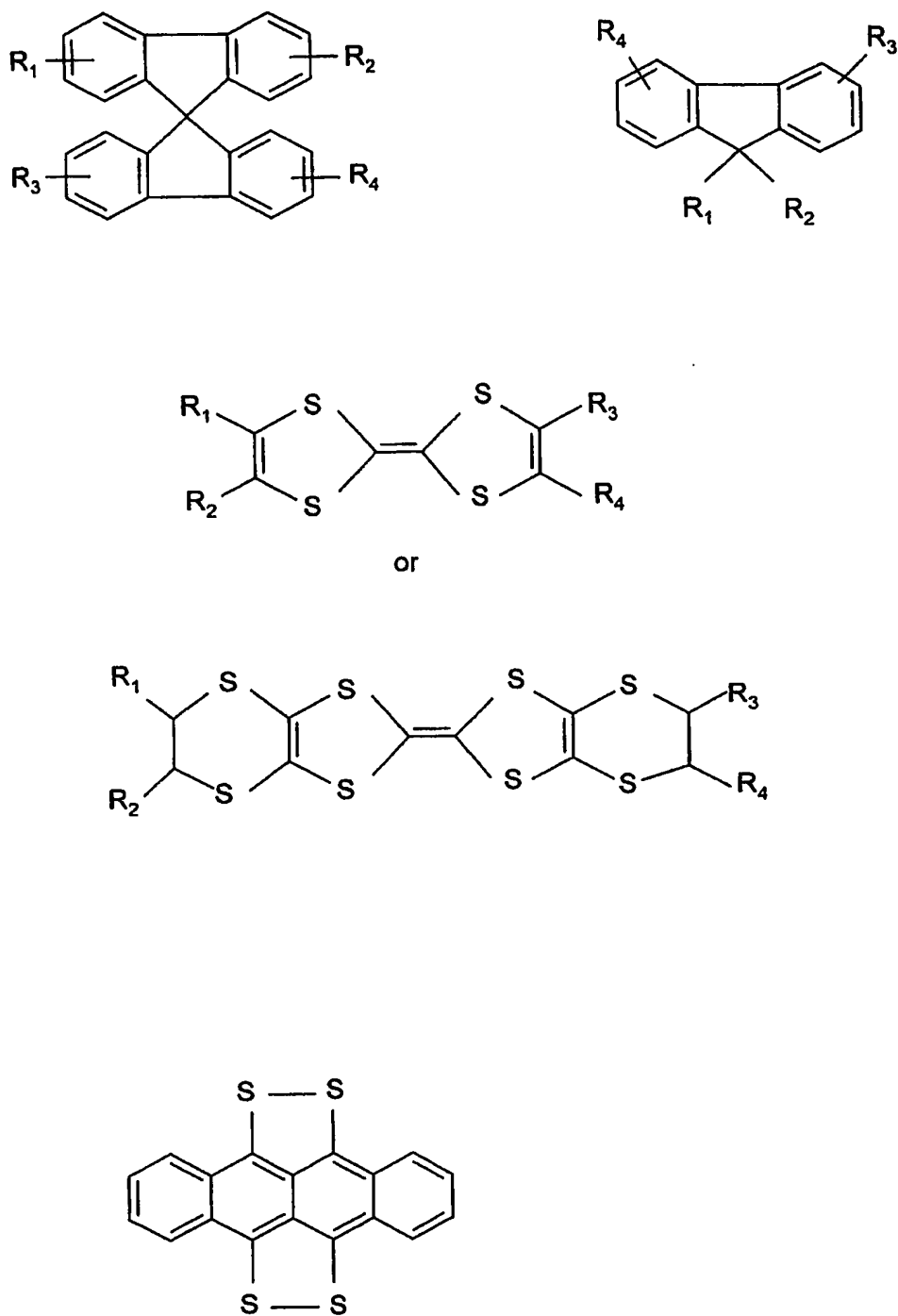
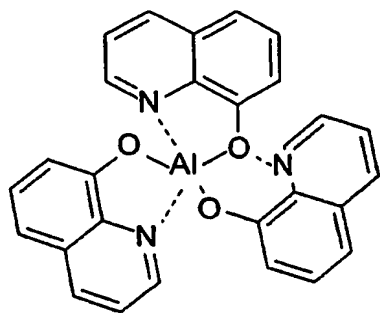
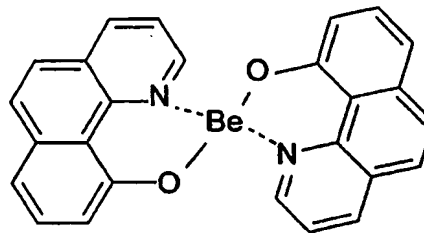


Fig. 5

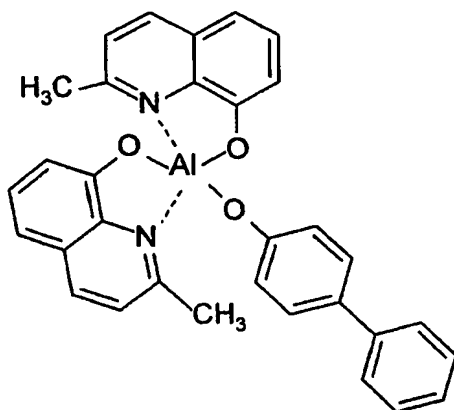
6/23



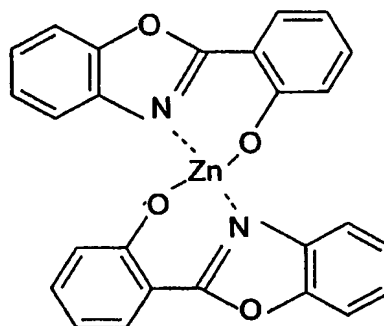
Alq



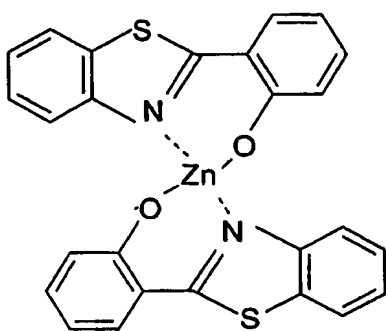
Bebq



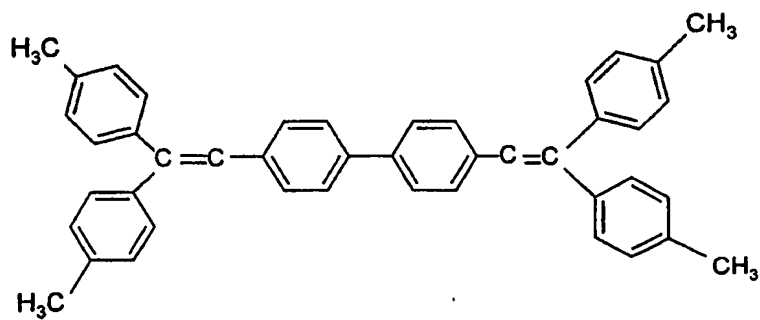
BAlq1



ZnPBO



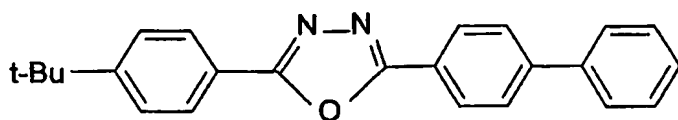
ZnPBT



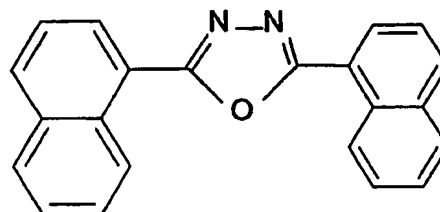
DTVb1

Fig. 6

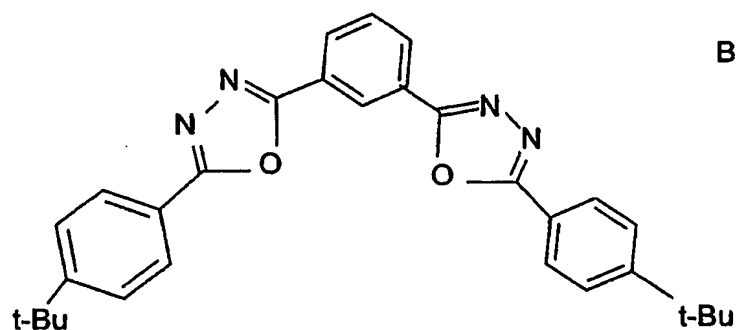
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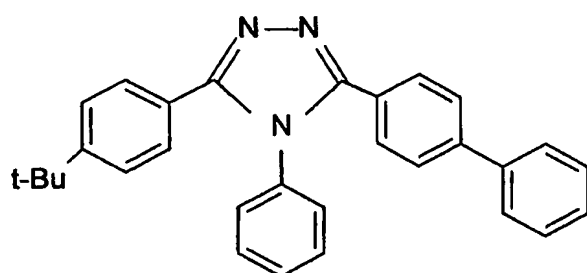
t-Bu-PBD



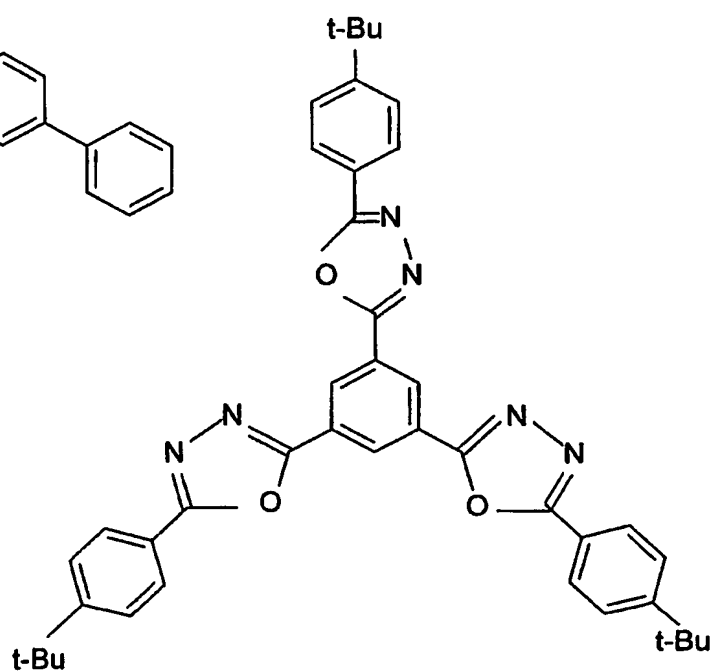
BND



OXD-7



TAZ



OXD-Star

Fig. 7

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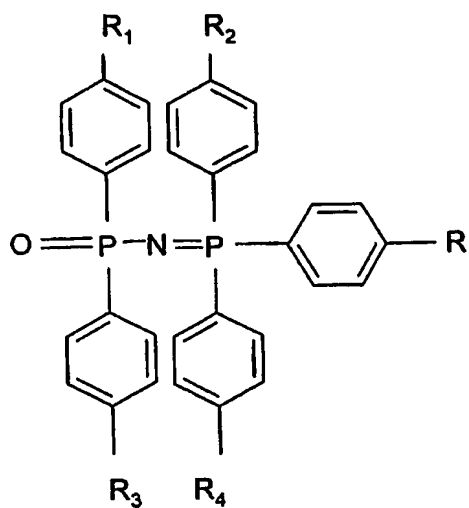


Fig. 8

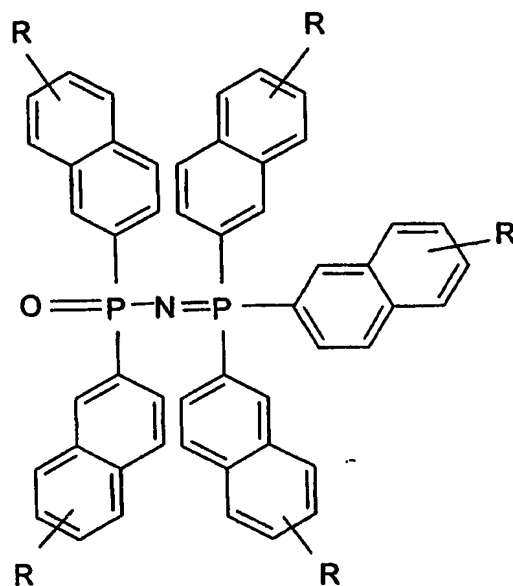


Fig. 9b

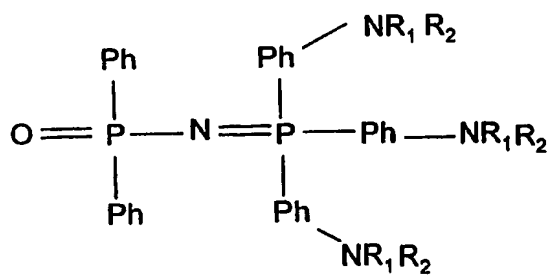


Fig. 9a

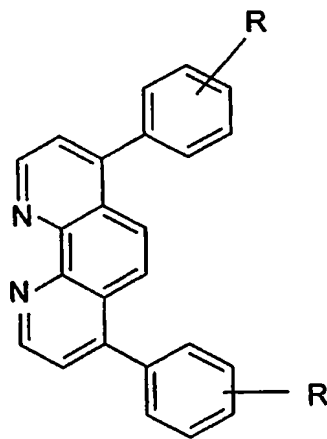


Fig. 10

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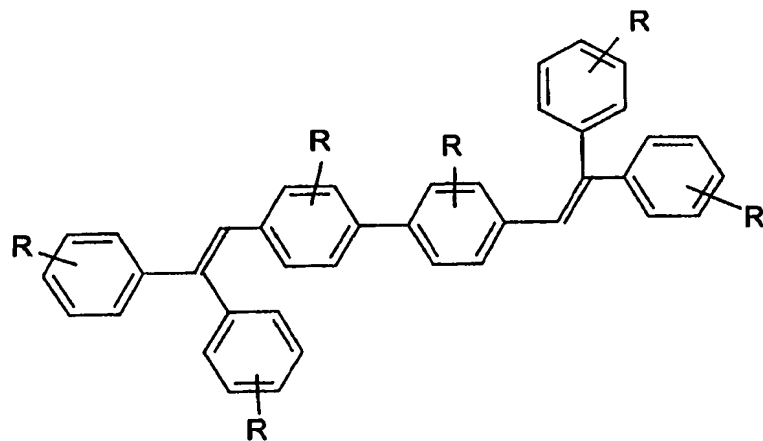
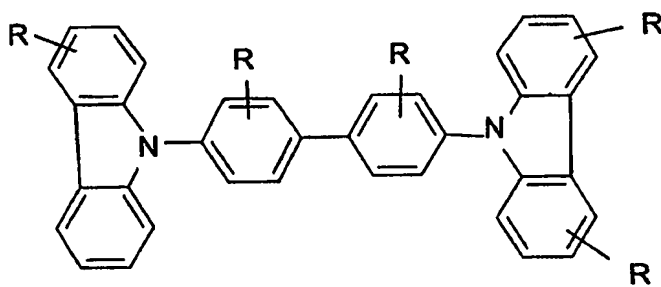
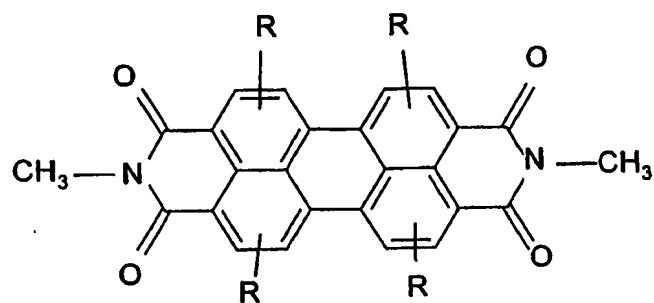


Fig. 11a

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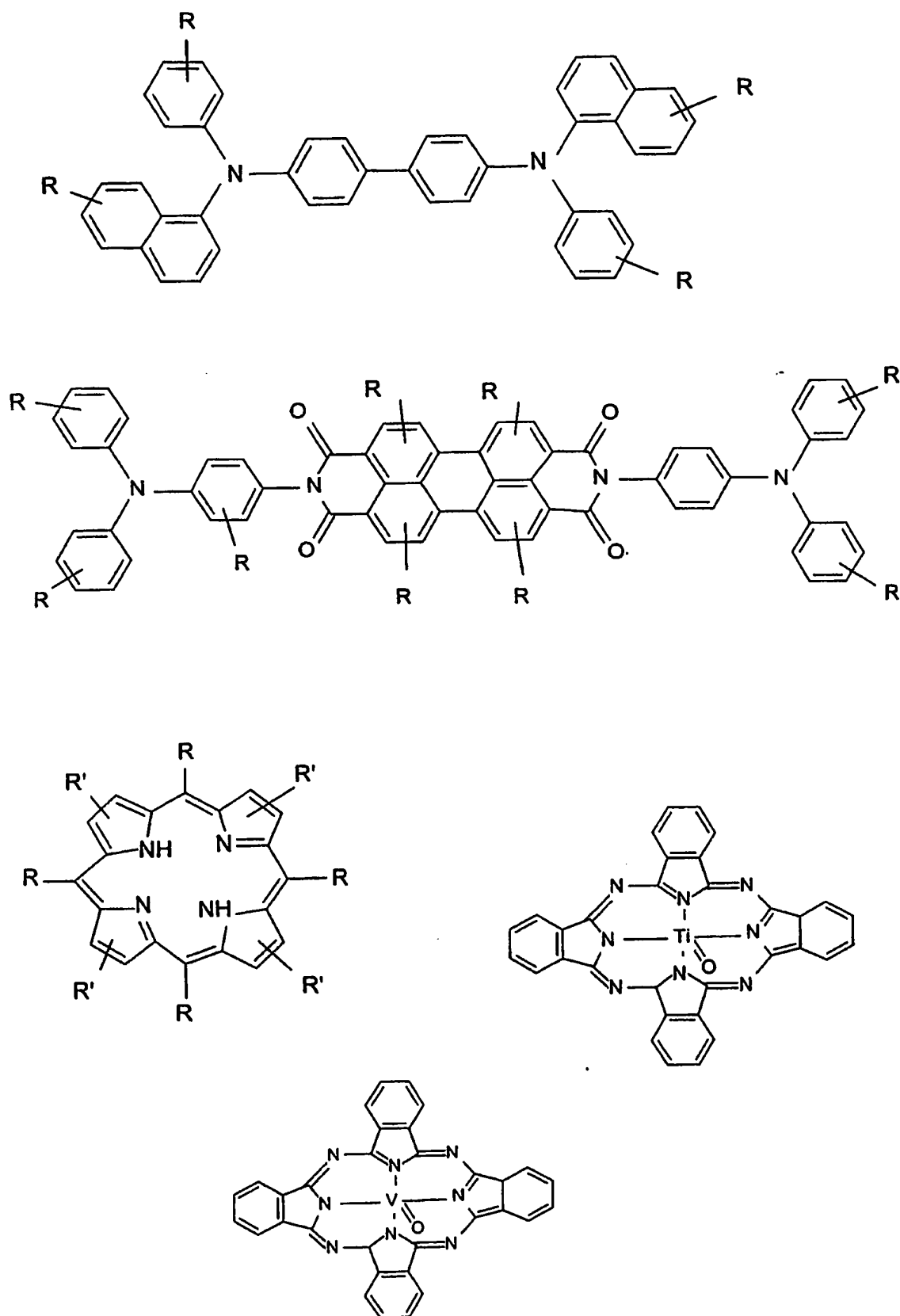


Fig. 11b

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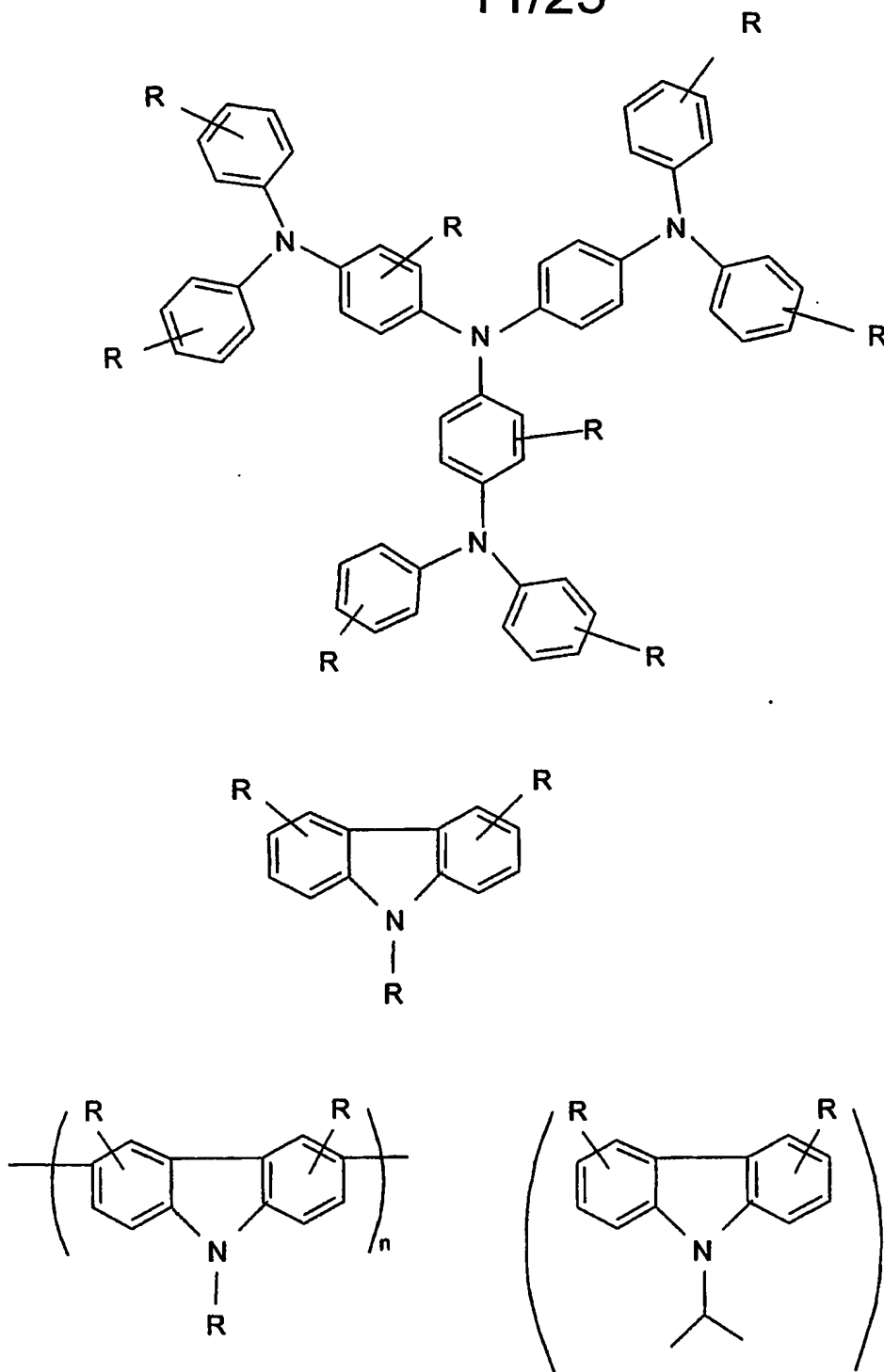


Fig. 11c

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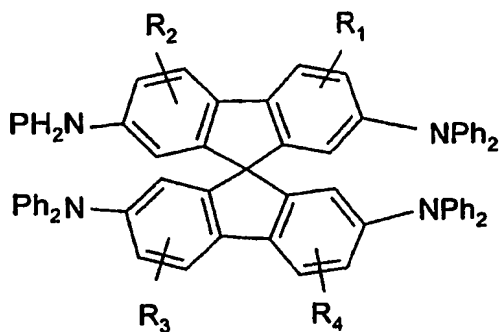
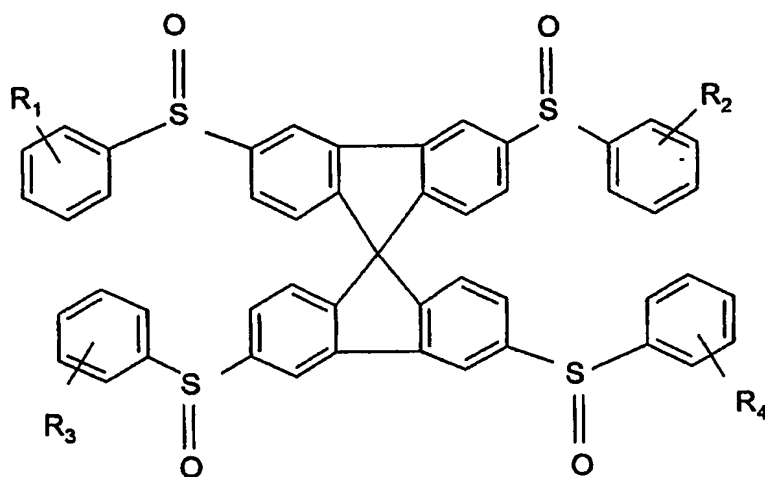
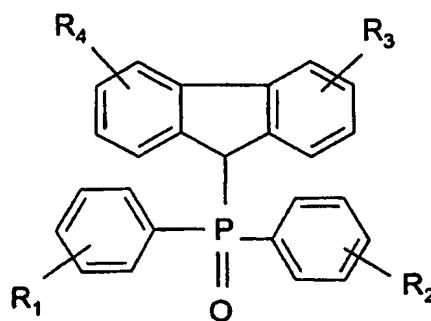
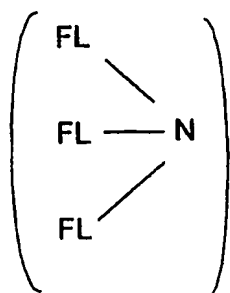


Fig. 12a

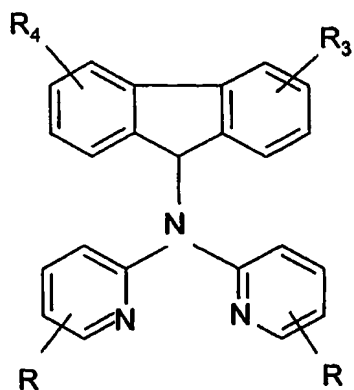


Fig. 12b

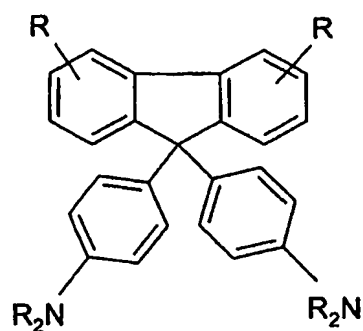


Fig. 12c

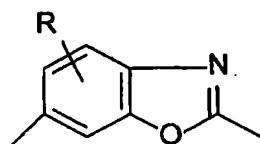


Fig. 13a

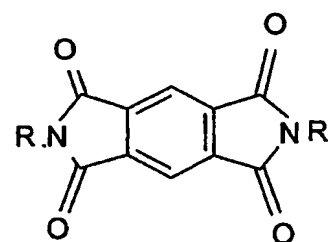


Fig. 13b

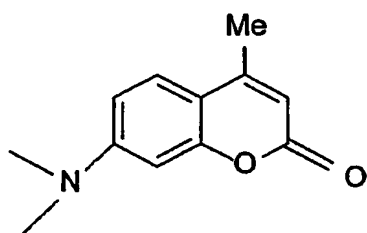


Fig. 13c

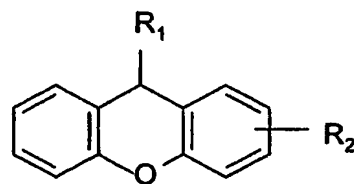


Fig. 13d

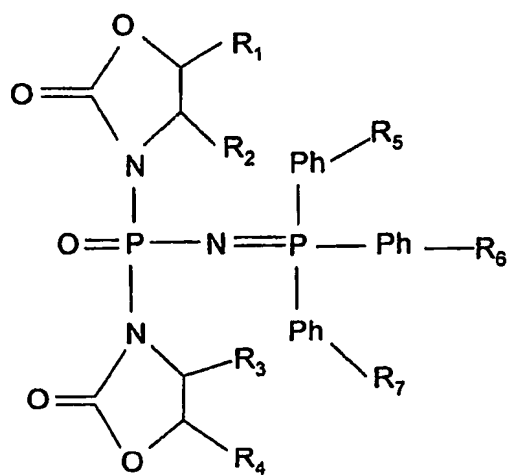


Fig. 13e

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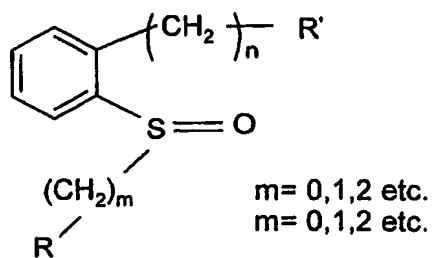
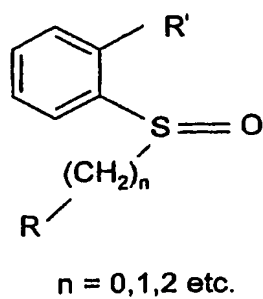
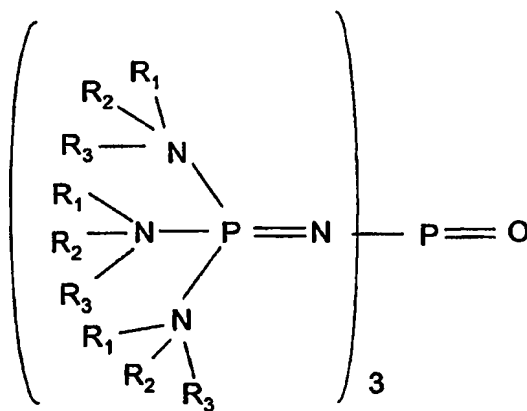
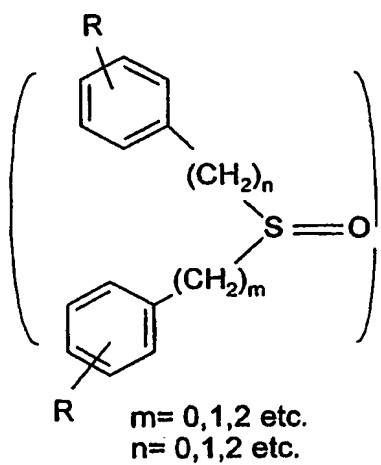
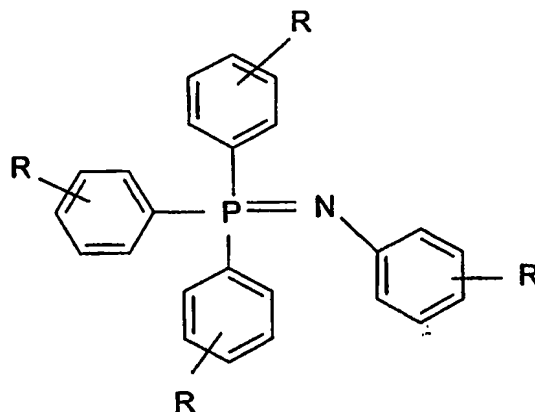
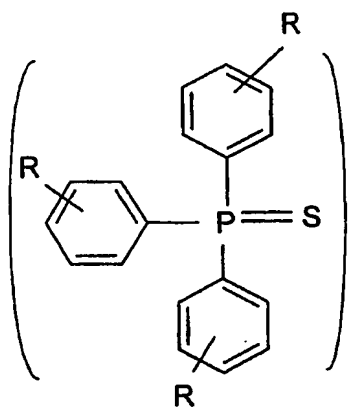


Fig. 14

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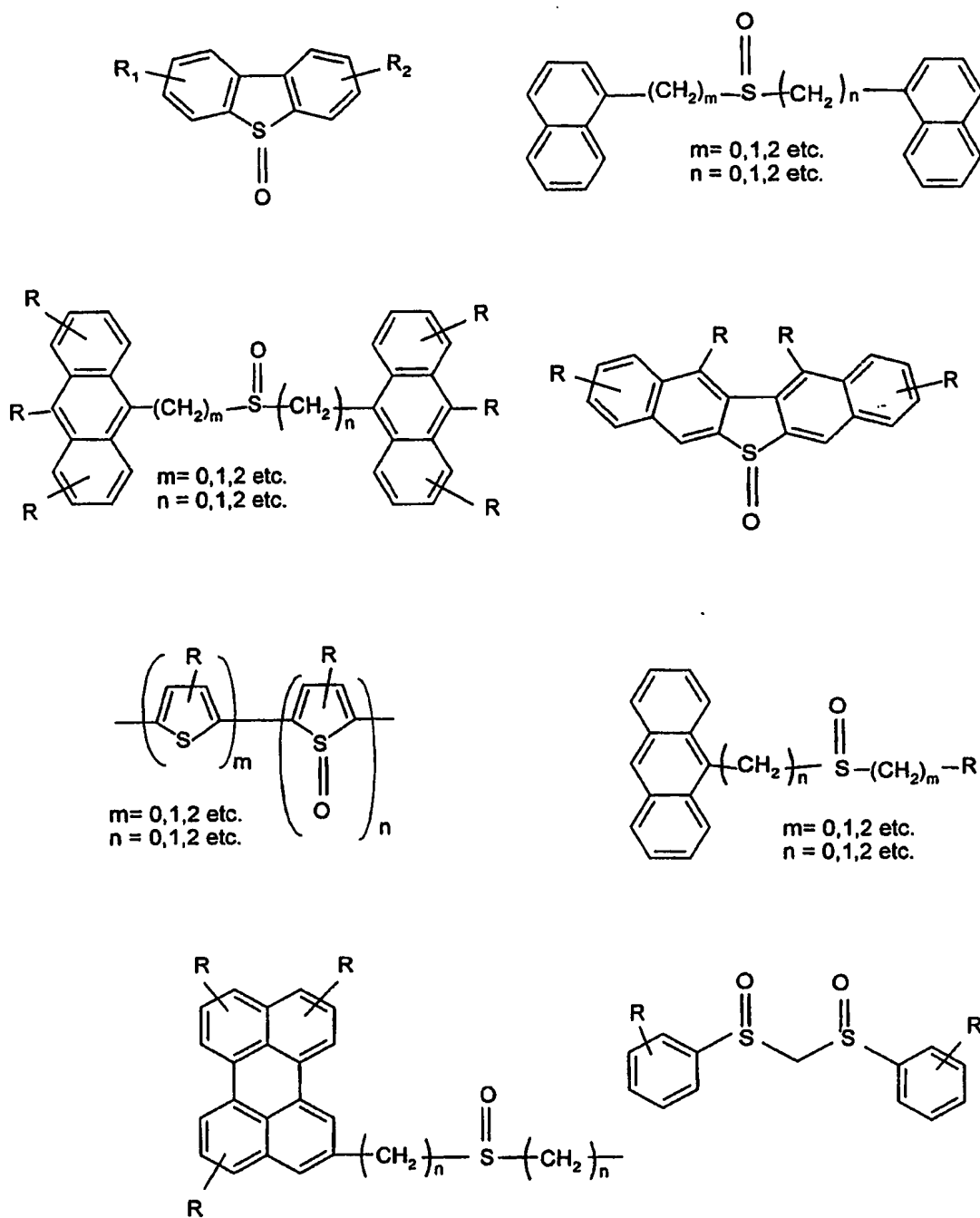


Fig. 15

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ITO (H)/ α -NPB (75 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.5 nm)/Al

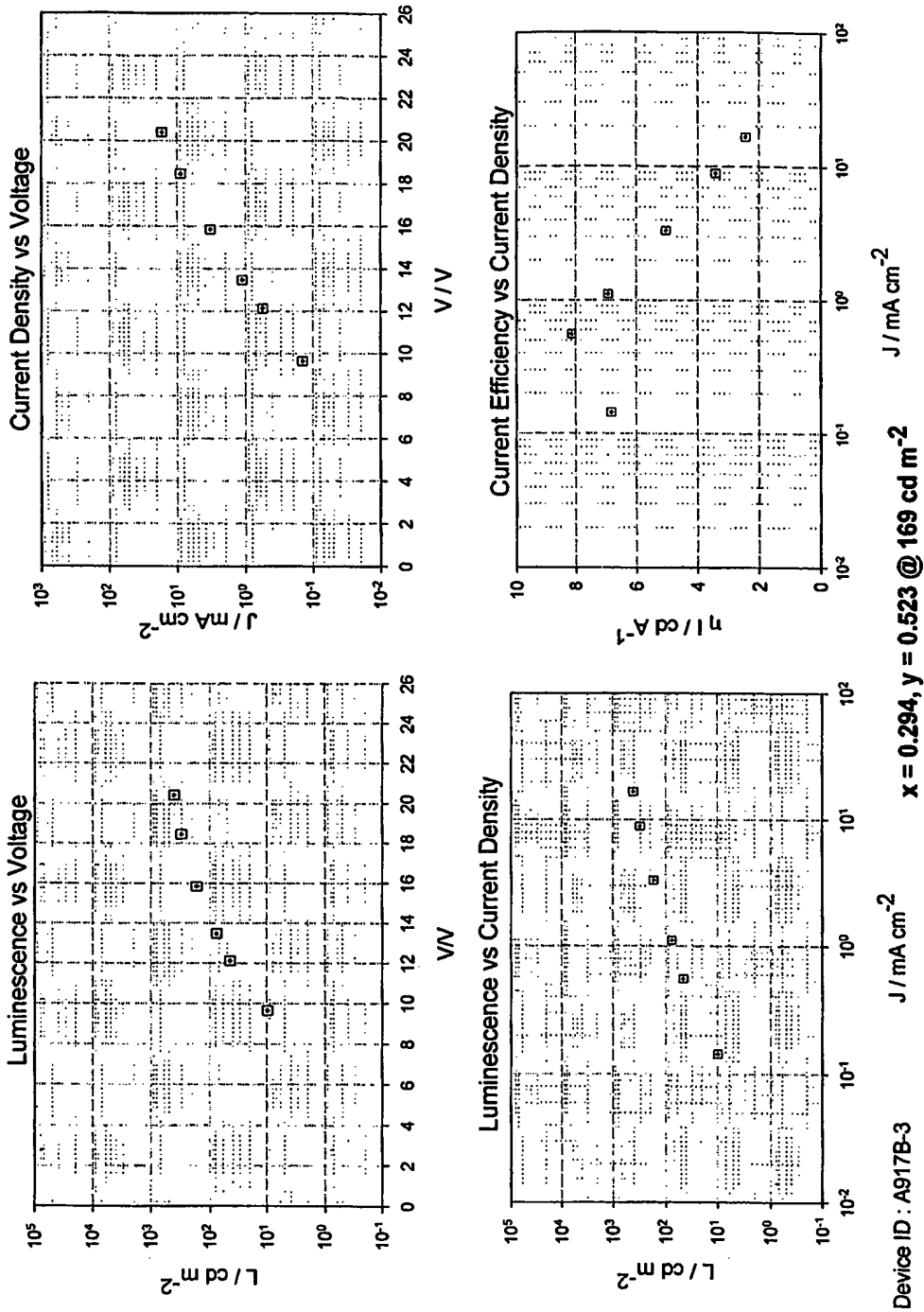


Fig. 16

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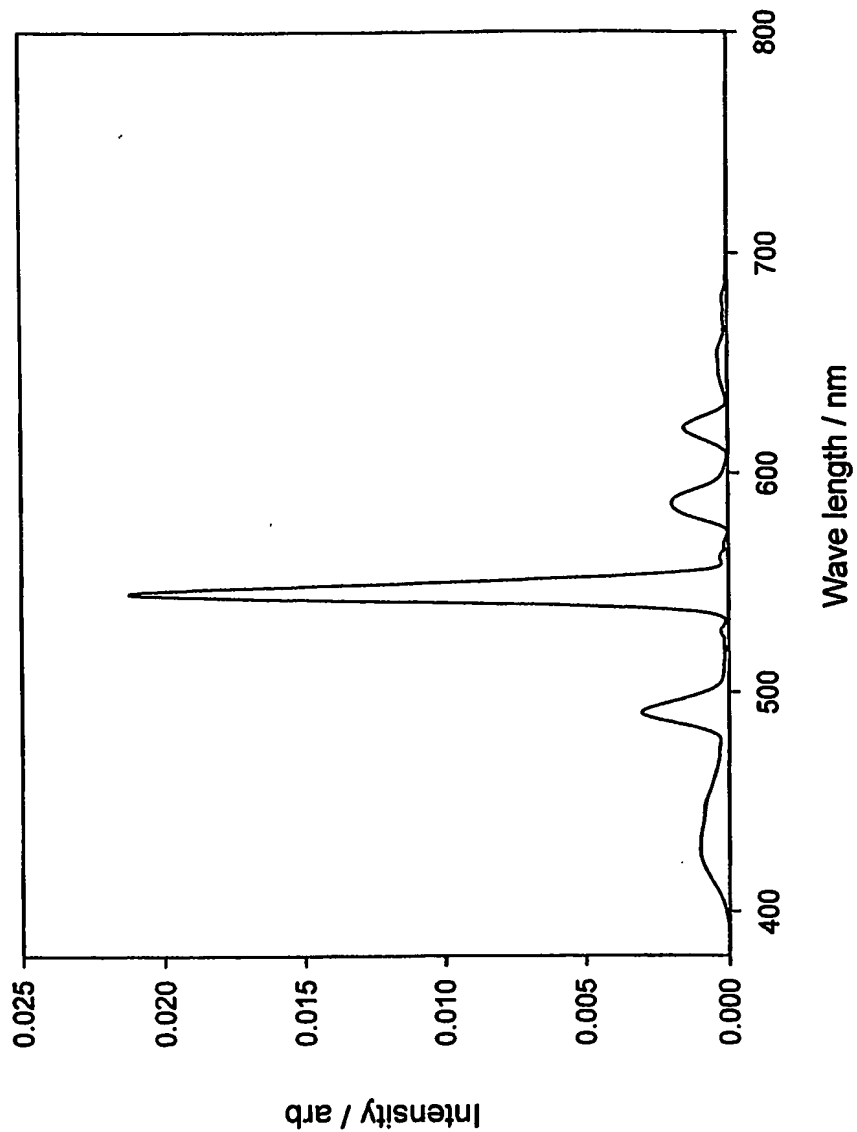
ITO (H)/ α -NPB (75 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.5 nm)/Al $x = 0.294, y = 0.523 @ 169 \text{ cd m}^{-2}$

Fig. 17

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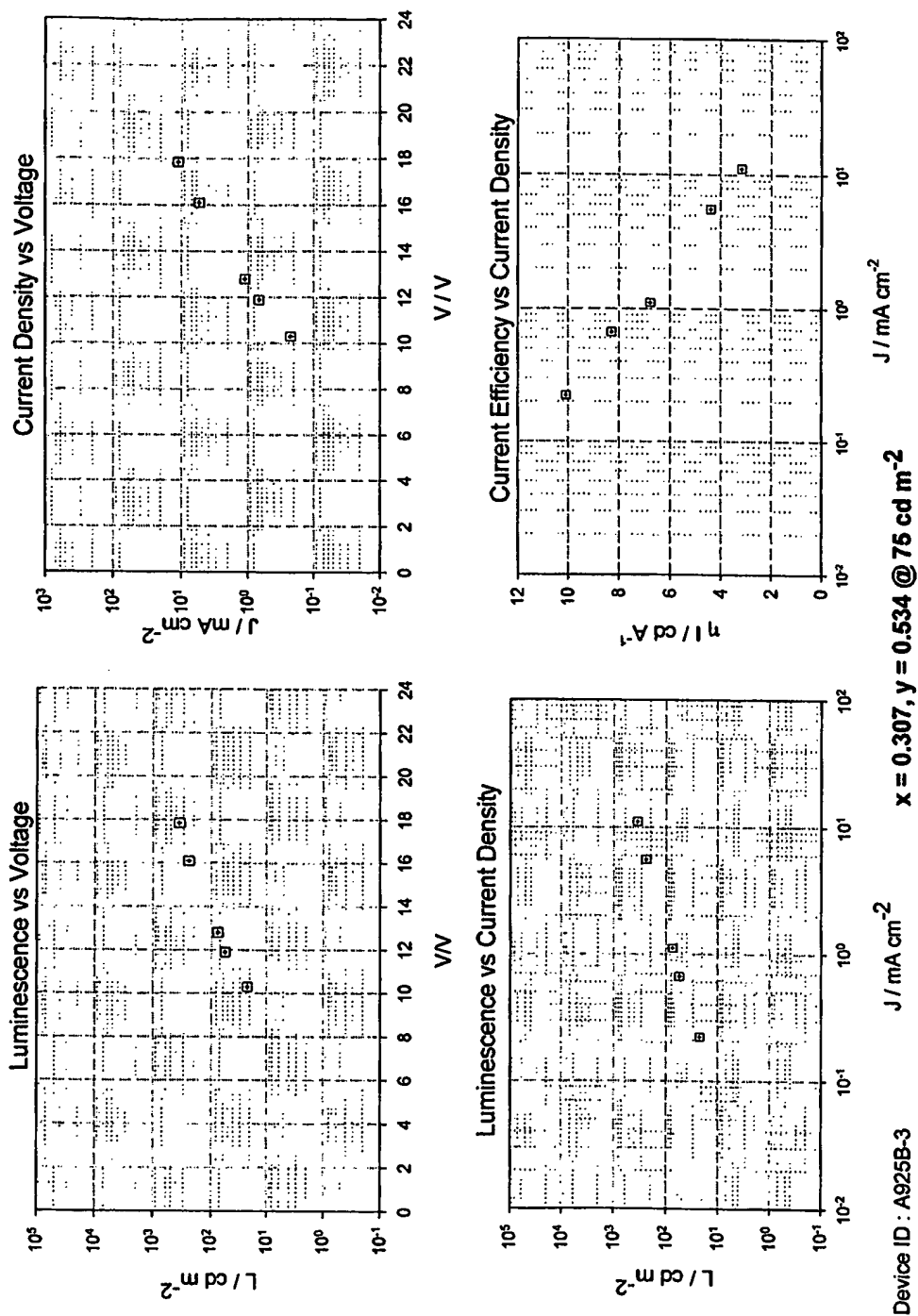
ITO (H) α -NPB (10 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.7 nm)/Al

Fig. 18

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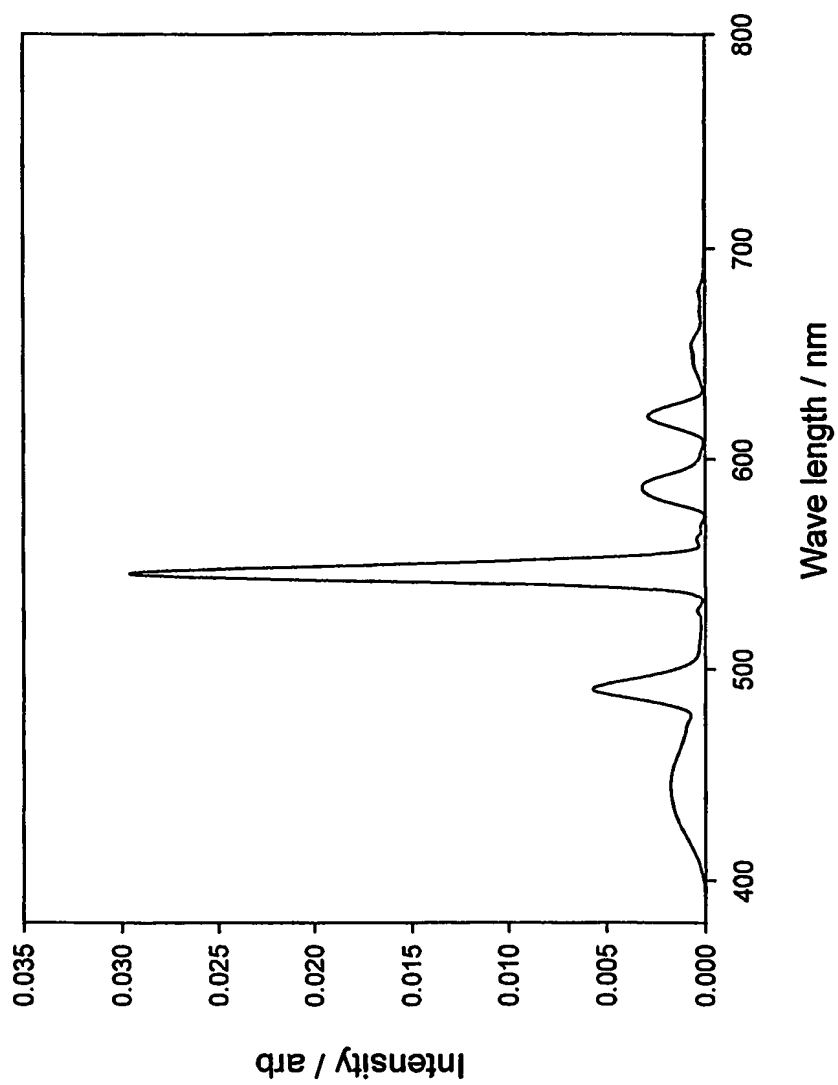
ITO (H)/ α -NPB (10 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.7 nm)/Al $x = 0.307, y = 0.534 @ 75 \text{ cd m}^{-2}$

Fig. 19

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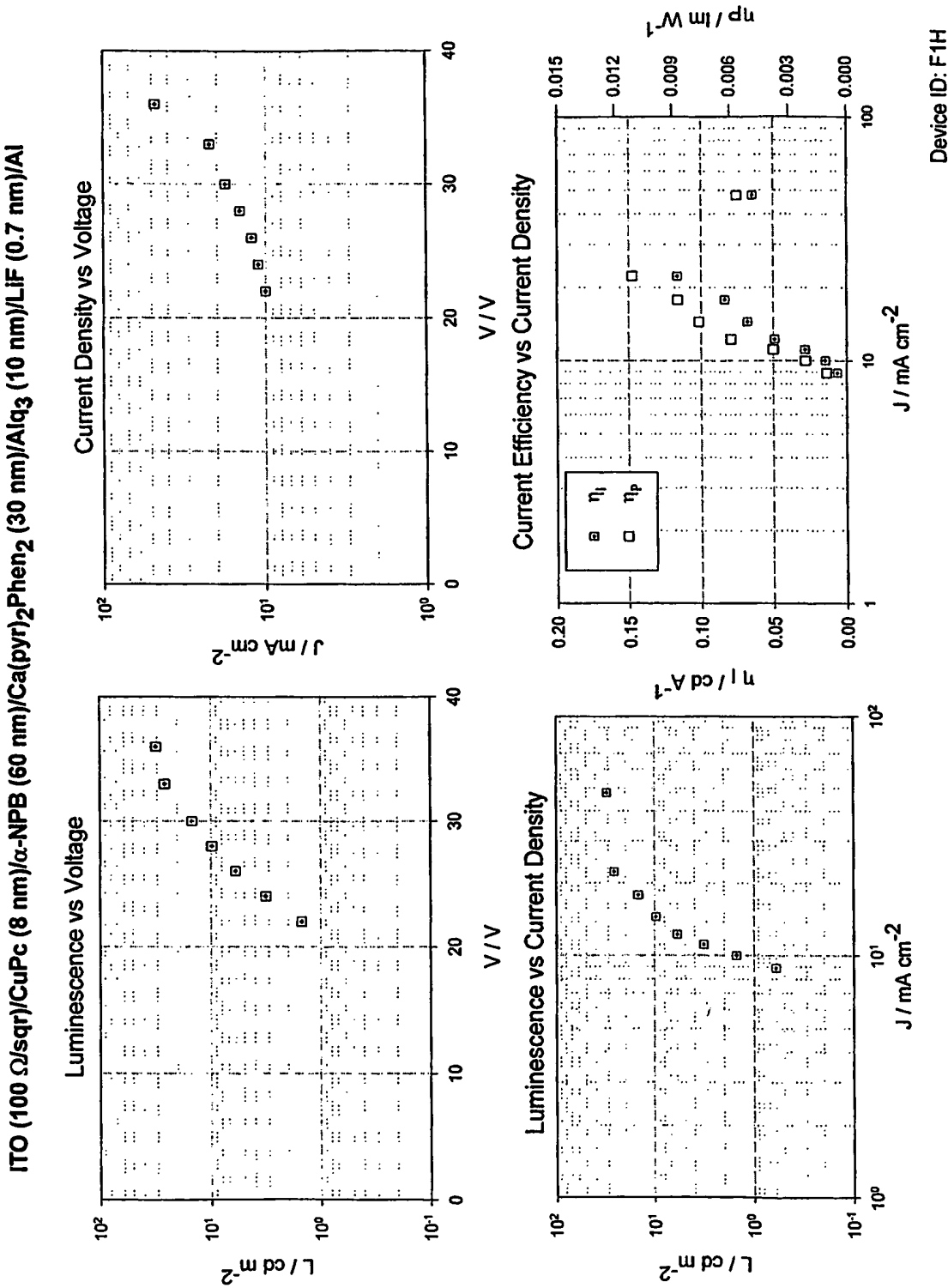
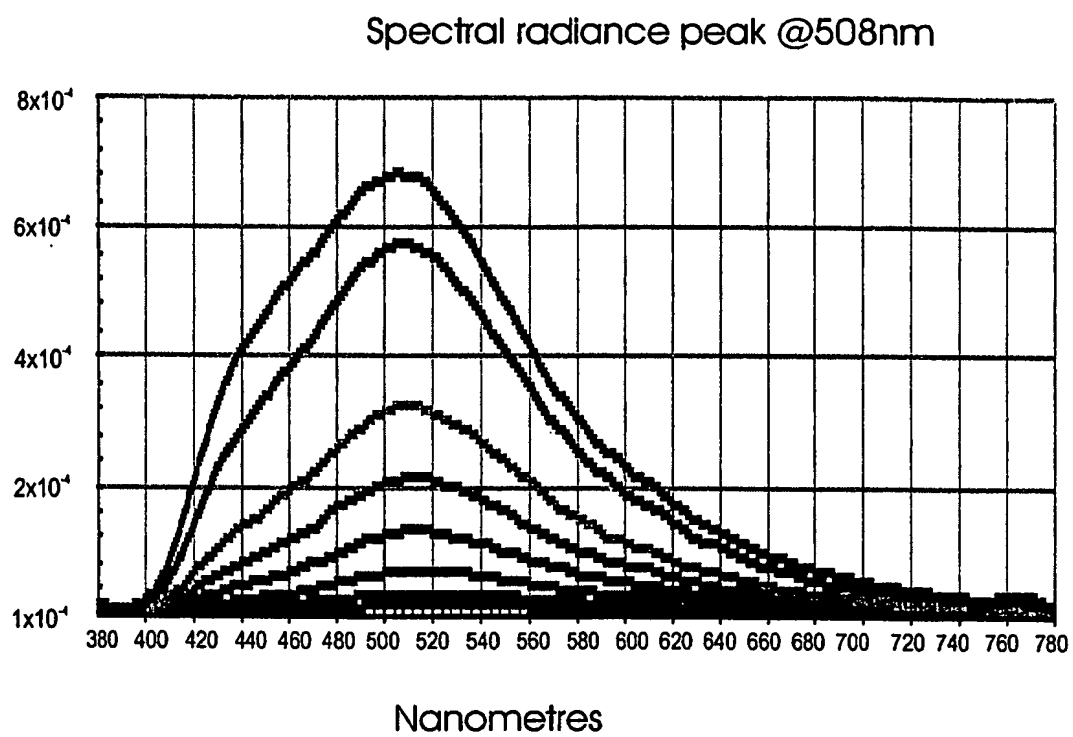


Fig. 20

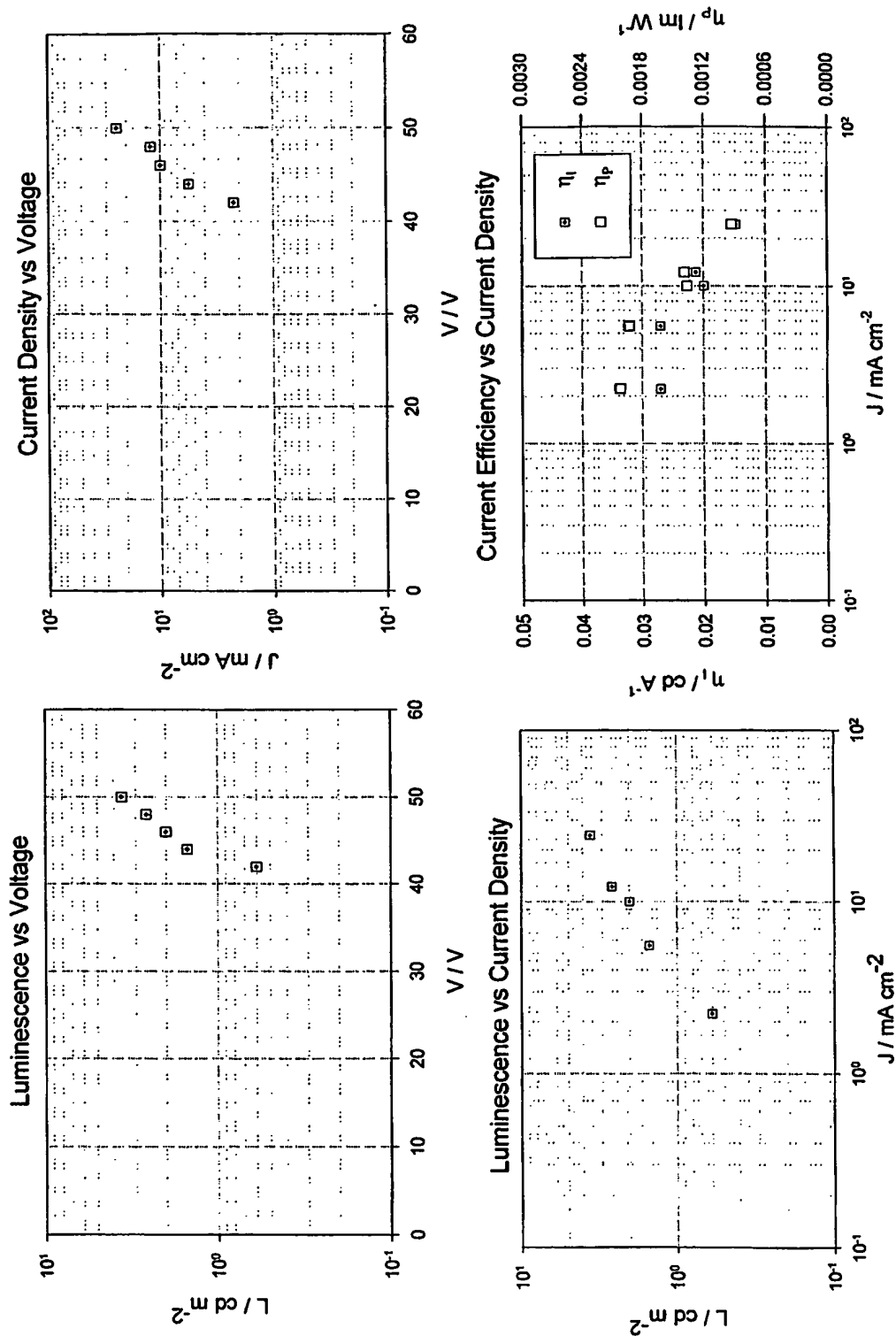
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Device 3

Fig. 21

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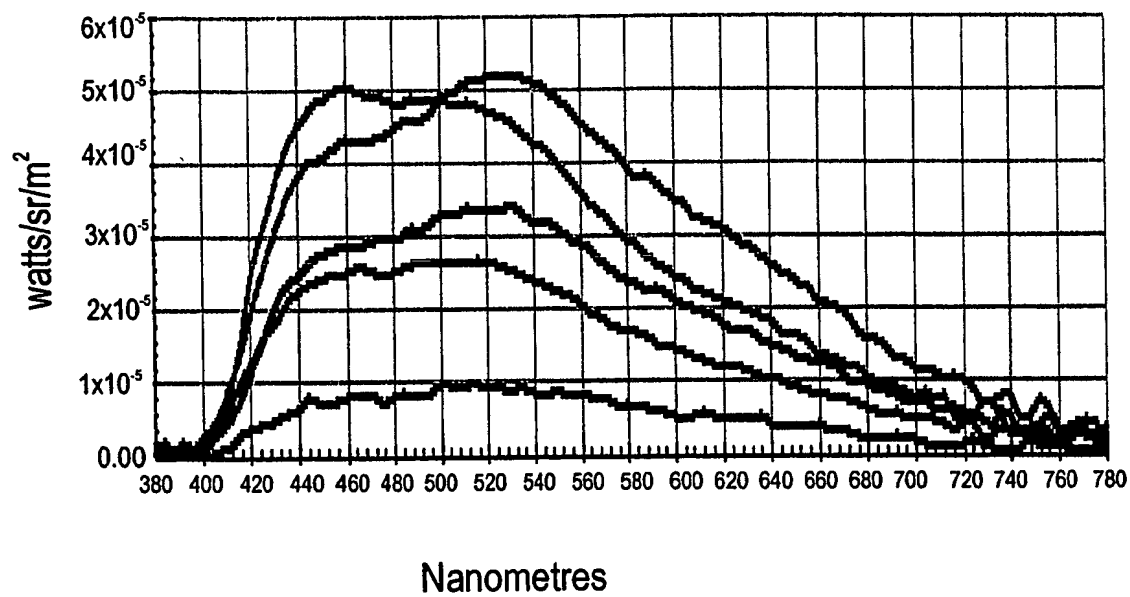
ITO (100 Ω/sq)/CuPc (8 nm)/ α -NPB (60 nm)/Ca(pyr)₂Phen₂ (10 nm)/Al

Device ID: F1V

Fig. 22

23/23

Spectral radiance Peak @ 536nm



Device 4

Fig. 23